

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 December 2000 (14.12.2000)

PCT

(10) International Publication Number
WO 00/75253 A1

(51) International Patent Classification⁷: C09J 4/06, C08F 290/06, C09J 4/00, C08F 220/28, 220/30, G11B 7/24

(72) Inventor; and
(75) Inventor/Applicant (for US only): FUJII, Sana [JP/JP];
22-15, Nakaizumi, 3-chome, Komae-city, Tokyo 201 (JP).

(21) International Application Number: PCT/US00/11422

(74) Agents: BARDELL, Scott A. et al.; Office Of Intellectual
Property Counsel, Post Office Box 33427, Saint Paul, Mn
Minnesota 55133-3427 (US).

(22) International Filing Date: 27 April 2000 (27.04.2000)

(25) Filing Language: English

(81) Designated State (national): US.

(26) Publication Language: English

(84) Designated States (regional): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE).

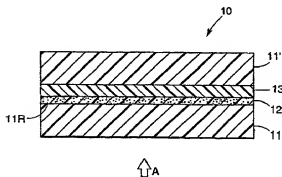
(30) Priority Data:
11/160083 7 June 1999 (07.06.1999) JP

Published:
--- With international search report.

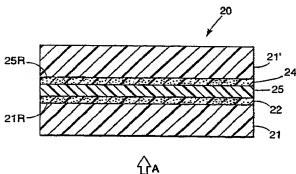
(71) Applicant (for all designated States except US): 3M IN-
NOVATIVE PROPERTIES COMPANY [US/US]; 3M
Center, Post Office Box 33427, Saint Paul, MN 55133-
3427 (US).

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ADHESIVE COMPOSITION AND OPTICAL DISC USING THE SAME



(57) Abstract: The invention aims to provide an adhesive composition which is useful for direct bonding of optical disc substrates, and can control corrosion of a metallic film, particularly an aluminum film, in a durability test of a product optical disc under elevated temperature and high humidity conditions, and also to provide an optical disc having controlled corrosion under elevated temperature and high humidity. The adhesive composition of the invention is an adhesive composition comprising (1) a urethane acrylate having a poly (tetramethylene glycol) skeleton, (2) an acrylic ester having a hydroxyl group in its molecule, and (3) a photoinitiator, the composition comprising 40% by weight or more of the urethane acrylate (1) based on the sum of weights of the urethane acrylate (1) and the acrylic ester (2).



WO 00/75253 A1